

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026322

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60R13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B60R B32B B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 11, 5 November 2003 (2003-11-05) -& JP 2003 212056 A (NISSAN MOTOR CO LTD), 30 July 2003 (2003-07-30) abstract	1
X	EP 0 995 667 A (MERITOR AUTOMOTIVE GMBH) 26 April 2000 (2000-04-26) column 14, line 25 - line 31	1,6
X	US 5 016 936 A (GOODRICH DAVID) 21 May 1991 (1991-05-21) the whole document	1,4,6
X	DE 299 18 214 U (ALUSUISSE KAPA GMBH) 13 January 2000 (2000-01-13) the whole document	1,3,6
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *&* document member of the same patent family

Date of the actual completion of the international search

17 November 2004

Date of mailing of the international search report

30/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 068 034 A (SEGAWA MASAHIRO ET AL) 10 January 1978 (1978-01-10) the whole document -----	1, 3-6
Y	EP 0 412 346 A (GEN ELECTRIC) 13 February 1991 (1991-02-13) column 9, line 1 - line 56 -----	2, 7
A	EP 0 640 467 A (GEN ELECTRIC) 1 March 1995 (1995-03-01) -----	

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026322

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP 2003212056	A	30-07-2003	NONE		
EP 0995667	A	26-04-2000	AT 228455 T	15-12-2002	
			BR 9905100 A	29-08-2000	
			DE 59903532 D1	09-01-2003	
			EP 1193163 A2	03-04-2002	
			EP 0995667 A1	26-04-2000	
			ES 2188079 T3	16-06-2003	
			JP 2000128021 A	09-05-2000	
			KR 2000029149 A	25-05-2000	
			US 6499797 B1	31-12-2002	
US 5016936	A	21-05-1991	NONE		
DE 29918214	U	13-01-2000	DE 29918214 U1		13-01-2000
US 4068034	A	10-01-1978	NONE		
EP 0412346	A	13-02-1991	US 4983247 A	08-01-1991	
			DE 69018894 D1	01-06-1995	
			EP 0412346 A2	13-02-1991	
			JP 1904752 C	08-02-1995	
			JP 3099812 A	25-04-1991	
			JP 6028868 B	20-04-1994	
EP 0640467	A	01-03-1995	US 5499441 A	19-03-1996	
			EP 0640467 A1	01-03-1995	
			JP 7164462 A	27-06-1995	